OPTIONS

WIDE CONVERTER
Wide Converter WL-37

A wider angle of image capture can be achieved by attaching the optional Wide Converter WL-37 to the VB-C50i/VC-C50i/VB-C10/VC-C4. This option is useful when the camera is installed too close to the area that requires monitoring.

• Lens magnification: 0.74x
• Expands field-of-view to 65°

For safety reasons, this optional item cannot be used with ceiling-mounted models.

EXPANSION BOX
Multi Terminal Module VB-EX50

The Multi Terminal Module VB-EX50 enables connection of various types of external devices to the VB-C50i.

• Audio Out for speakers
• Video In/Out (BNC) for analog video cameras already in use
• External Sensor In/Out for sensors and alarms

REMOTE CONTROL
Remote Control WL-V5

As an aid to installation procedures, a remote control is available as an optional accessory. One remote control can be used to input settings for several camera units (VC-C50i/VC-C4).

Some functions (such as shutter speed and noise reduction) cannot be accessed with the remote control.

DOMES
IRC1-P: Indoor Recessed Clear Dome

• Plenum rated metal top indoor recessed ceiling housing • 7"Optically clear lower dome
• White decorative trim ring with quick-release pressure springs • 24vac input for longer cable runs
• Power convert inside the housing to provide 12vdc to the camera • Right angle power plug
• Mounting hardware for Canon cameras • Feed through wiring for power, and Ethernet
• 40va plug-in 110vac to 24vac wall transformer included

IWC1-P: Indoor Wall Clear Dome

• Indoor dome housing that is UV protected, and a 94VO flame rating • Wall mount, to allow the housing to attach to most vertical surfaces • 24vac input for longer cable runs
• Power convert inside the housing to provide 12vdc to the camera • Right angle power plug
• Mounting hardware for Canon cameras • Feed through wiring for power, and Ethernet
• 40va plug-in 110vac to 24vac wall transformer is included with each housing

IPC1-P: Indoor Pendant Clear Dome

• Indoor dome housing that is UV protected, and a 94VO flame rating • Pendant mount, 1 $^1/_2$" pipe thread • 24vac input for longer cable runs • Power convert inside the housing to provide 12vdc to the camera • Right angle power plug • Mounting hardware for Canon cameras • Feed through wiring for power, and Ethernet • 40va plug-in 110vac to 24vac wall transformer is included with each housing

OWC1-P: Outdoor Wall Clear Dome

• Outdoor dome housing that is UV protected, and a 94VO flame rating • Wall mount, to allow the housing to attach to most vertical surfaces • Heater and Blower to maintain a good operating environment for the camera (-20°F to +120°F) • 24vac input for longer cable runs
• Power convert inside the housing to provide 12vdc to the camera • Right angle power plug
• Mounting hardware for Canon cameras • Feed through wiring for power, and Ethernet
• 40va plug-in 110vac to 24vac wall transformers is included with each housing

OPC1-P: Outdoor Pendant Clear Dome

• Outdoor dome housing that is UV protected, and a 94VO flame rating • Pendant mount, 1 $^1/_2$" pipe thread • Heater and Blower to maintain a good operating environment for the camera (-20°F to +120°F) • 24vac input for longer cable runs • Power convert inside the housing to provide 12vdc to the camera • Right angle power plug • Mounting hardware for Canon cameras • Feed through wiring for power, and Ethernet • 40va plug-in 110vac to 24vac wall transformers is included with each housing

OPCP1-P: Outdoor Pendant Clear Pressurized Dome

• Outdoor pressurized dome housing that is UV protected, and a 945VA flame rating
• Schrader Valve for nitrogen input • 5-7psi pressure relief valve, to protect against or pressurization • Hermetically sealed connector for incoming wiring • Pendant mount, 1 $^1/_2$" pipe thread • Heater and Blower to maintain a good operating environment for the camera (-40°F to +120°F) • 24vac input for longer cable runs • Power convert inside the housing to provide 12vdc to the camera • Right angle power plug • Mounting hardware for Canon cameras • Feed through wiring for power, and Ethernet • 100va, 110vac to 24vac transformer is included with each housing

Canon KNOW HOW®

1-800-OK-CANON / www.usa.canon.com

Canon U.S.A., Inc.
One Canon Plaza, Lake Success NY 11042 U.S.A.

Canon Canada Inc.
6390 Dixie Road, Mississauga Ontario L5T 1P7 Canada

Canon Mexicana, S. DE R.L. DE C.V.
Blvd. M. A. Camacho No. 138, Piso PB, 15, 16 y 17,
Col. Lomas de Chapultepec, C.P. 11000 México, D.F. México

Canon Latin America, Inc.
703 Waterford Way, Suite 400, Miami FL 33126 U.S.A.

Canon HongKong Co., Ltd.
19/F, The Metropolis Tower, 10 Metropolis Drive,
Hunghom, Kowloon, Hong Kong

Specifications are subject to change without notice. Weight and dimensions are approximate. Canon and Canon Know How are registered trademarks of Canon Inc. in the United States and may also be registered trademarks or trademarks of Canon Inc. in other countries. Microsoft and Windows are either registered marks in other countries. Microsoft and Windows are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries. Macintosh and Mac OS are trademarks of Apple Computer, Inc., registered in the United States and other countries. Other names and products not mentioned above may be registered trademarks or trademarks of their respective companies.
Warning: Unauthorized recording of copyrighted materials may infringe on the rights of copyright owners and be contrary to copyright laws.

www.canondv.com

©2004 CANON U.S.A., INC.   0035W407   PRINTED IN U.S.A.

Canon

NETWORK VIDEO SOLUTIONS

WebView Livescope

Network Camera Server with Built-in Servers
VB-C50i / VB-C50iR, VB-C10 / VB-C10R

Communication Cameras
VC-C50i / VC-C50iR, VC-C4 / VC-C4R

Network Camera Servers
VB150 / VB101

Network Video Recording Software
VK-64

Monitoring Software
WebView Livescope MV Ver. 2.1
WebView Livescope MV Ver. 2.1 LE
## Viewer for Pocket PC

Canon WebView Livescope:
You owe it to your business to find out more.
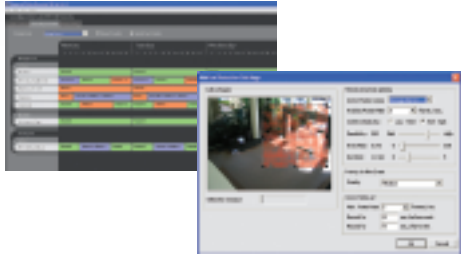
What is Network Video Solutions?

Transmit
Network Video Solutions is simply the transmission of high-quality video images through the Internet or a LAN connection. This may involve an individual viewing scenes from multiple locations, many individuals viewing a single location, or a combination of the two.
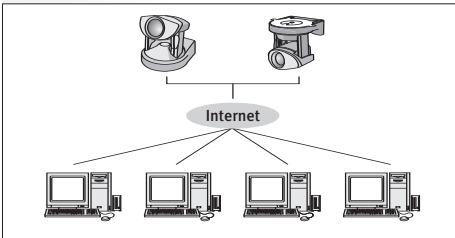
Close the Distance
Network Video Solutions literally puts you, and/or the information you wish to broadcast, in several places at once. When physical distance ceases to be a barrier, the possibilities are limitless.
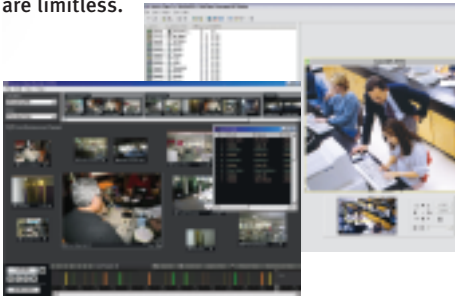
Record
Anything that's transmitted can be recorded and stored to be viewed again at any time, a crucial factor in safety and security applications.

Share
Network Video Solutions can accommodate multiple viewers and multiple image locations, linking people in a way no other technology can offer.

Flexibility
Canon systems make installation, configuration and maintenance easy, so you'll be up and running quickly and worry-free.

Ethernet (10/100Mbps)
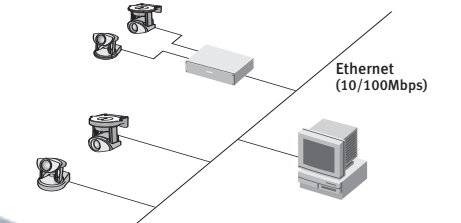
Save
Putting Canon's Network Video Solutions to work for you will boost the productivity of your business immediately, for cost and time savings that go straight to your bottom line.

Why is Canon superior?

Over 60 Years of Excellence
With over 60 years of industry-leading experience and a host of groundbreaking technical innovations to its credit, Canon richly deserves its reputation as maker of the world's most advanced cameras and photographic equipment.

Legendary Optics
Canon lenses are the choice of professional photographers all over the world. They feature proprietary technology that delivers sharp resolution, high color fidelity, crisp, fast focus, and powerful, seamless zooming.

High-resolution Images
Each camera features a CCD sensor built to Canon's exacting specifications, ensuring high-resolution images in a variety of motion patterns and lighting conditions.

Ultimate Performance and Reliability
Canon's excellent reputation is a direct result of the high performance and reliability of its products. Canon's Network Video Solutions is designed to perform long term in demanding situations with minimal maintenance.

One-stop Solution
From network-ready cameras to servers to software, Canon offers a complete, fully integrated system that's ready to go to work.

A Name You Can Trust
Canon is a solid industry leader, earning the trust of millions for over 60 years. We are fully committed to the needs of our customers, today, tomorrow and well into the future.

How can the system work for you?

Medical Facility
Monitor multiple locations to provide the highest quality care and security in facilities where quick reactions are essential.

Retail Store
Strategically located cameras can dramatically improve security and allow employees to provide more prompt customer service.

Construction Site
Oversee security, safety practices and project status wherever you are. Ideal for client presentations as well.

Museum or Gallery
Constant surveillance in multiple locations can reduce staffing requirements and give you greater peace of mind.

Teleconferencing
Conduct high-quality meetings with colleagues and clients all over the world for unmatched convenience and substantial cost savings.

Distance Learning
Broadcast lectures and classroom sessions to remote students. WebView's crisp images and superior camera control make students feel as if they're in the room.

Tourism
Promote destinations and attractions with live views available to prospective visitors anywhere in the world.

Traffic Reports
Newsrooms can monitor key sites to give accurate, real-time traffic reports.

NETWORK CAMERAS WITH BUILT-IN SERVERS

VB-C50i

VB-C50iR

VB-C10

VB-C10R

COMMUNICATION CAMERAS

VC-C50i

VC-C50iR

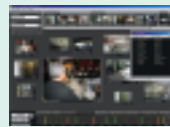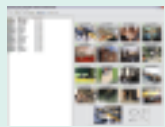VC-C4

VC-C4R
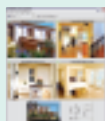
NETWORK CAMERA SERVERS

VB150

VB101

SOFTWARE

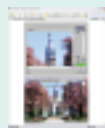Network Video Recording Software VK-64
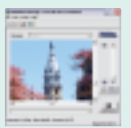
WebView Livescope MV Ver. 2.1

WebView Livescope MV Ver. 2.1 LE

Viewer for Pocket PC

Viewer for Java

Viewer for PC

VB-C50i / VB-C50iR

- **Genuine Canon 26x optical zoom lens with 12x digital zoom.**
- **Infrared Night Mode captures black and white images in the dark.**
- **340K effective pixel CCD for smooth, high-quality video.**
- **Simultaneous image transmission in 3 viewer-selectable sizes with excellent resolution (30 fps at 640 x 480). IP monitoring for up to 50 clients.**
- **Auxiliary analog camera input (using optional VB-EX50).**
- **Automatic image capture with 15MB of internal memory for storing still images, activated by schedule, motion detection, or contact sensor.**
- **High-precision, viewer-controlled pan, tilt and zoom.**
- **Up to 20 preset viewing angles with scheduled auto touring.**
- **4-zone motion detection with auto tracking of movement.**
- **Automatic and manual image adjustment controls.**
- **Optional Multi Terminal Module VB-EX50 for connecting external speakers, cameras, sensors and alarms.**

KEY FEATURES

Built-in Server for Ultimate Convenience
The built-in server supports many protocols for easy direct connection to both the Internet and LANs. Once connected, you're ready for a world of IP monitoring and webcast applications.

26x Optical/12x Digital Zoom
The camera's 26x optical genuine Canon zoom lens with 12x digital zoom offers the highest optical zoom magnification in the industry,

making VB-C50i/VB-C50iR the perfect choice for monitoring large facilities.

Multi-streaming Capability
Viewers with slower connections or video-enabled cell phones may not want or be able to receive the camera's highest-quality video, given its larger file size. For customable flexibility, the camera simultaneously broadcasts in 3 file sizes from which the viewer can select. The system can accommodate up to 50 clients.

Advanced Scheduling Functions
The camera's scheduling function allows you to specify when to record images or output signals to an external device, such as an alarm. You can schedule by week, date, time, motion-detection and more.

Sophisticated Motion Detection and Auto Tracking
Four areas can be selected for motion detection with the ability to set sensitivity, area ratio, and duration of detected movement. These settings can be independently set in each of the four areas. Auto tracking gives the camera the ability to pan and tilt once motion is detected, and capture this movement automatically.
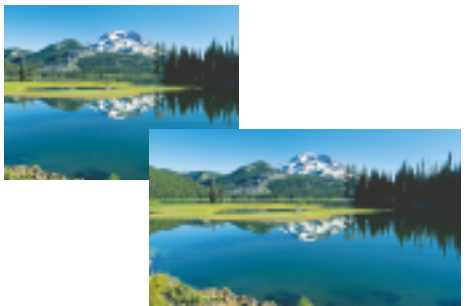
High Resolution
You'll capture and transmit clear, well-focused video with excellent image quality: 30 frames-per-second, 640 x 480 pixels.
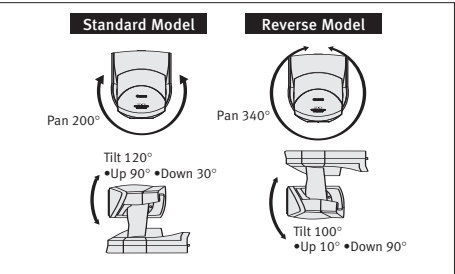
30fps

Create and View Panoramic Scenes
The camera's fast, vibration-free engine enables wide-ranging pan and tilt angles so you'll capture panoramic images.

Pan/Tilt/Zoom Viewing Restriction
The camera allows you to set restrictions on camera angles and zoom magnifications. This feature protects your privacy by preventing viewers from seeing particular areas.

Standard Model | Reverse Model

Pan 200° | Pan 340°
Tilt 120° •Up 90° •Down 30°
Tilt 100° •Up 10° •Down 90°

Range of Camera Head Movement

Set restrictions using the View Restriction Tool

BUNDLED SOFTWARE

VB Administration Tools Version 2.0
- Panorama Creation Tool
- View Restriction Tool
- Preset Setting Tool
- Schedule Setting Tool
- Admin/Log Viewer

VB Collector Software Version 2.0
- Schedule-based download of captured images • Automatic downloading when the upper limit of the camera's memory is reached
- Downloaded images can be viewed on a Web browser • New image viewer offers animated playback of captured images

Viewer Software
- Viewer for PC • Admin Viewer
- Viewer for Java

COMPATIBILITY VIEWER

| VK-64 | WebView LivescopeMV Ver.2.1 | WebView LivescopeMV Ver.2.1 LE |
| WebView Livescope Viewer for Pocket PC | FREE VIEWER SOFTWARE | |

NOMENCLATURE

1. 10/100 Base T Ethernet Terminal
2. Multi-terminal
3. DC In Terminal

VB-C50i

VB-C10 / VB-C10R

- **Genuine Canon 16x optical zoom lens.**
- **410K effective pixel CCD for sharp, seamless video.**
- **High resolution: 30 fps at 320 x 240.**
- **5MB of internal memory for storage of still images.**
- **High-precision, viewer-controlled pan, tilt and zoom.**
- **Up to 9 preset viewing angles.**
- **Wide angles and fast, smooth engine create panoramic views.**
- **Motion-JPEG streaming for up to 20 clients.**
- **Programmable angle and zoom restrictions protect privacy.**

KEY FEATURES

Built-in Server for Ultimate Convenience
The built-in server supports many protocols for easy direct connection to both the Internet and LANs. Once connected, you're ready for a world of IP monitoring and webcast applications.

VB-C10 | VB-C10R
Internet
Max. 20 Clients

410,000 pixel CCD
The powerful CCD sensor captures images that are crisp and bright. Smooth, high-quality video puts you right into the scene.

VB Collector Software Version 1.1
- Schedule-based download of captured images • Automatic downloading when the upper limit of the camera's memory is reached
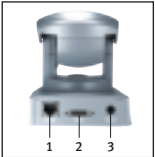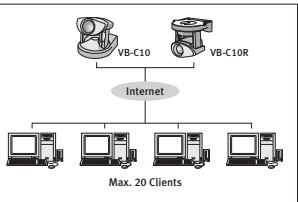- Downloaded images can be viewed on a Web browser • New image viewer offers animated playback of captured images

Viewer Software
- Viewer for PC • Admin Viewer
- Viewer for Java

COMPATIBILITY VIEWER

| VK-64 | WebView LivescopeMV Ver.2.1 | WebView LivescopeMV Ver.2.1 LE |
| WebView Livescope Viewer for Pocket PC | FREE VIEWER SOFTWARE | |

BUNDLED SOFTWARE

VB Administration Tools Version 1.1
- Panorama Creation Tool • View Restriction Tool
- Preset Setting Tool • Admin/Log Viewer

NOMENCLATURE
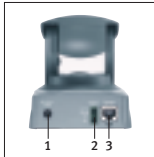
1. DC In Terminal
2. Sensor Input/ Relay Output
3. 10/100 Base T Ethernet Terminal

VB-C10

VC-C50i / VC-C50iR

- Genuine Canon 26x optical zoom lens with 12x digital zoom.
- Slow shutter speed for clear color video in very low light.
- Infrared mode with infrared light up to 9.8 ft. captures black and white images in the dark.
- 340K effective pixel CCD for smooth, high-quality video.
- Viewer-controlled pan, tilt and zoom.
- Cascade function to connect up to 9 cameras to a single PC or up to 4 cameras to a VB150 server.
- Automatic and manual image adjustment controls.
- Multi-connector for simple system configuration accommodates alarm trigger, external IR light.

KEY FEATURES

Excellent Low-light Performance
The camera will capture clear color images in dim lighting all the way down to a single lux thanks to a highly-sensitive CCD, bright lens and slow shutter capability. Images are further enhanced with automatic noise reduction in both bright and dim light.

Night Imaging with Infrared Light
A Night Mode with built-in infrared light allows the camera to capture clear black and white images even in complete darkness. An additional external infrared light can also be connected.

Flexible Image Adjustment Controls
Canon's decades of photographic expertise give the camera a high degree of imaging control: automatic and manual exposure control, manual focusing, noise reduction, backlight compensation, white balance and more.

Multi-connector Simplifies System Set-up
The camera is easily adaptable to custom system configurations thanks to a new multi-connector interface. External devices including alarm sensors, infrared lamps and more connect with just one plug.

Standard Model   Reverse Model

Pan 200°   Pan 340°
Tilt 120°
•Up 90° •Down 30°
Tilt 100°
•Up 10° •Down 90°

Range of Camera Head Movement

SERVER COMPATIBILITY

VB150

NOMENCLATURE

1. DC in Terminal
2. Video Out Terminal
3. Multi-terminal

1 2 3

VC-C50i

VC-C4 / VC-C4R

- Genuine Canon 16x optical zoom lens.
- 410K effective pixel CCD for smooth, high-quality video.
- Viewer-controlled pan, tilt and zoom.
- Cascade function to connect up to 9 cameras to a single PC or up to 4 cameras to a VB150 server.
- Compact and light: weighs less than a pound.
- Includes remote control.

KEY FEATURES

Connect up to 9 Cameras
Operate up to 9 cameras in a daisy chain from your PC (via RS-232 with custom programming) or the Canon VB101/VB150 controller.

Max. 9 Clients

VC-C4 or VC-C4R
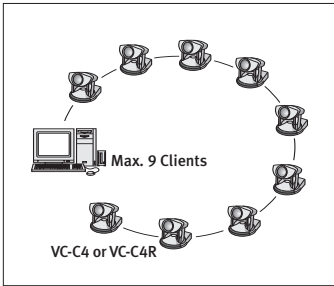
Control Pan, Tilt and Zoom
A wide range of on-screen controls, and a precision mechanism that minimizes shaking and vibration make it easy to adjust pan, tilt and zoom to the exact view you need.

SERVER COMPATIBILITY

VB150   VB-101

NOMENCLATURE

1 2 3 4 5
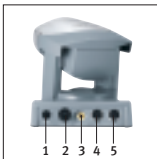
VC-C4

1. DC In Terminal
2. S-Video Out Terminal
3. Composite Video Out Terminal
4. RS-232C Out Terminal
5. RS-232C In Terminal

VB150 / VB101

- Connect up to 4 cameras.
- Capture video up to 30 frames-per-second.
- Web server built-in, no computer necessary.
- Built-in motion detection (VB150).
- Automatic image capture and storage, either scheduled or motion activated (VB150).
- Adjustable video quality and frame rates.
- Simultaneous viewing for up to 50 clients (VB150) or 40 clients (VB101).
- Create panoramas from sequential images.
- Create and host high-impact web pages.
- Expandable with PCMCIA card slots.
- Wireless-capable (802.11b) with wireless LAN card (VB150).

KEY FEATURES

Connect up to 4 Cameras
The servers can connect to and control up to 4 Canon VC-C50i, VC-C50iR, VC-C4, VC-C4R and a variety of compatible generic analog cameras. With Canon's WebView Livescope MV 2.1 or 2.1 LE software, up to 4 live camera views can be simultaneously displayed on one screen for superior security monitoring.

Controllable

Static   Static   VC-C50i   VC-C50iR

VB150

* MV 2.1 & MV 2.1 LE used only on VB150 for 4 line camera views.

High-quality, Adjustable Images and Frame Rate
The servers capture high-quality video of up to 30 frames-per-second in motion-JPEG format. Video quality and frame rate can be freely adjusted to suit the needs of viewers and the network environment.

Create and Host Interactive Web Pages
Store web page content on a flash memory card to transmit high-impact, interactive content over the web any time. Gives an immediate boost to your site's professionalism and your viewers' excitement.

Viewer for Java

PCMCIA Card Slots for Expandability
2 built-in PCMCIA card slots allow you to attach a dial-up modem card or flash memory card. Captured images can be saved and then forwarded to preset e-mail addresses.

BUNDLED SOFTWARE

VB Administration Tools Version 1.2
•Panorama Creation Tool
•View Restriction Tool
•Preset Setting Tool
•Admin/Log Viewer

Built-in Motion Detection
When the server detects motion, it can capture pictures, send data to control external devices, or record data in a log. Use the supplied software to set numerous parameters including detection area, sensitivity, duration and area ratio.

VB Collector Software Version 2.0
•Schedule-based download of captured images
•Automatic downloading when the upper limit of the camera's memory is reached
•Downloaded images can be viewed on a Web browser
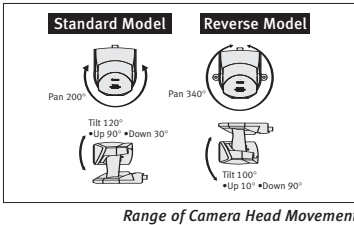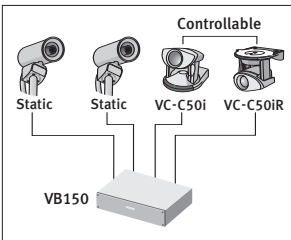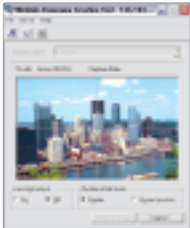•New image viewer offers animated playback of captured images

Viewer Software
•Viewer for PC   •Admin Viewer
•Viewer for Java

COMPATIBILITY VIEWER

VK-64   WebView LivescopeMV Ver.2.1   WebView LivescopeMV Ver.2.1 LE

WebView Livescope Viewer for Pocket PC   FREE VIEWER SOFTWARE

NOMENCLATURE

1

2   3   4 5 6   7   8
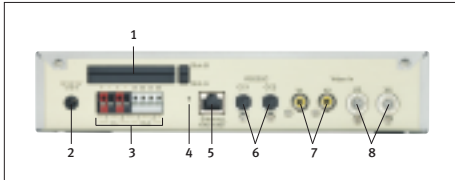
1. PCMCIA Card Slot A and B
2. DC Terminal
3. External Device I/O Terminals
4. Reset Button
5. 10/100 Base T Ethernet Terminal
6. Camera Control Connectors
7. Video Input Terminals (Composite)
8. Video Input Terminals (BNC)

Network Video Recording Software
VK-64 v1.0

This highly flexible, easy to run program provides a comprehensive solution for all video monitoring and recording needs. Ideal for large-scale locations with multiple cameras, multi-site businesses, and any business in need of data custody at remote locations.

Camera Section Area
Live Events Window
Location
Zone
Viewing Area
Video Window
Date Selector
Event Search with Keyword
Playback Controls
Timeline
Zoom In/Out
Extract Video
Playhead
Return to Live Video

- Remote monitoring and remote recording.
- Record up to 64 camera servers with a single storage server.
- Easily install a new camera or change a camera's location.
- Access for up to 5 clients at a time.
- Quickly create a custom layout for your viewing screen.
- Control camera positions and zoom while monitoring live video.
- Extensive recording mode settings available to each camera.
- Easy event search and playback.
- Play live or recorded video in up to 24 windows simultaneously.
- QuickTime™ file conversion lets you send recorded video to anyone via email.
- Supports VB-C10/VB-C10R, VB-C50i/VB-C50iR*, VB150 and VB101.

* Not all features are available at this time.
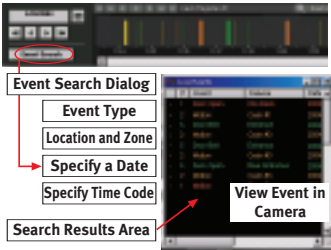
Server Capacity / Traffic / Data Size

Number of cameras	Image size	Frame size	Network traffic		Storage volume	
			frame/sec	Traffic volume	1 day	1 month
1 camera	320 x 240	10KB	1 fps	80 kbps	0.9GB	25.9GB
			5 fps	400 kbps	4.3GB	129.6GB
	640 x 480	40KB	1 fps	320 kbps	3.5GB	103.7GB
			5 fps	1.6 Mbps	17.3GB	518.4GB
10 cameras	320 x 240	10KB	1 fps	800 kbps	8.6GB	259.2GB
			5 fps	5 Mbps	43.2GB	1,296.0GB
	640 x 480	40KB	1 fps	3.2 Mbps	34.6GB	1,036.8GB
			5 fps	16 Mbps	172.8GB	5,184.0GB

Remote Monitoring and Recording
Using an IP network, you can record video captured from a camera server. This remote data custody can serve as a crucial back up in the event of fire or other damage in the server location.

Record up to 64 Camera Servers
The program can record video from up to 64 cameras simultaneously from a single storage server. Further, it can manage 3 storage servers with a single viewer, allowing you to manage recorded video from a total of 192 cameras.

Event Search and Easy Playback
The software makes it easy to find an event you're looking for. Search by event type, location, date and time, time code or scroll through the Viewer Timeline to find and select the event you want. Then, simply double-click the event from the Live Event Window to playback the requested event.

Event Search Dialog
Event Type
Location and Zone
Specify a Date
Specify Time Code
View Event in Camera
Search Results Area

Camera Control in Real Time
Experience interactive monitoring of live video by controlling the position and zoom of VB-C50i and VC-C50i cameras connected to a VB150 server. Presets are also available.

Individualized Recording Mode Settings
The software allows unparalleled flexibility in recording, with a wide range of options available to each individual camera. There is a mode to meet every need, including continuous recording, recording triggered by a sensor event at night, pre- and post-event recording, as well as motion detection.
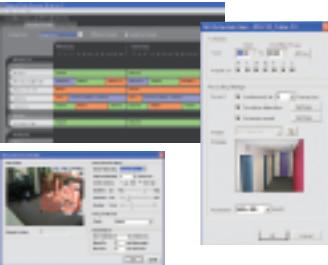
Simultaneously Display Up to 24 Windows
View live or recorded action at the same time in up to 24 windows per template*. For instance, a retail storeowner could simultaneously view the identical scene shot at various times of day to create a timeline analysis of store traffic. Even customize your viewing screen by adjusting the number, size and layout of video windows.
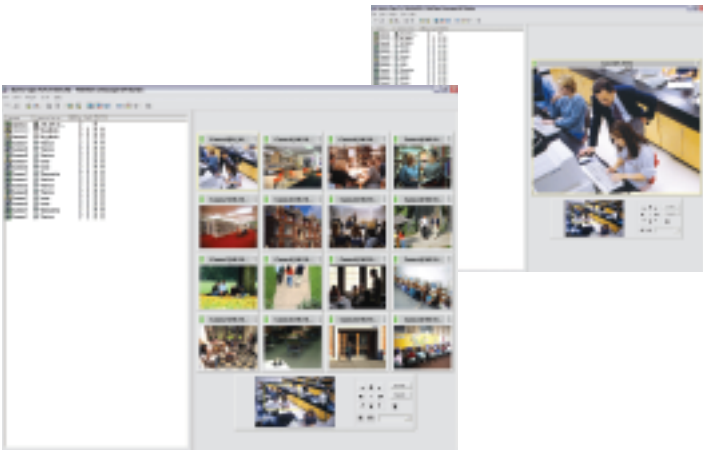*Multiple templates can be created.

XGA 24 screen

XGA 6 screen

Convert Recorded Video to QuickTime™
The software makes it simple to convert up to an hour of recorded video into a QuickTime™ file, allowing you to email a viewable video file to recipients.

Multi-Screen Monitoring Software
WebView LivescopeMV Ver. 2.1

- Simultaneously monitor up to 16 locations on a single screen.
- VB ImageBrowser for seamless image management and display.
- Communicate with external devices.
- Supports advanced VB150 features.
- Create custom monitoring screens.
- Enjoy flexible monitoring settings.
- Monitor from multiple sites.
- Add new camera servers quickly and easily.

Simple Monitoring Software
WebView LivescopeMV Ver. 2.1 LE

- Simultaneously monitor up to 4 locations on a single screen.
- Panoramic Viewing Image Function.
- Add new camera servers quickly and easily.

Monitor up to 4 Locations at Once
Watch live video from up to 4 cameras simultaneously. Control camera pan, tilt and zoom functions right on the screen.

Easy Camera Server Registration
A built-in search feature automatically locates camera servers on the same network for quick and easy registration.

Simultaneously Monitor up to 16 Locations
View images from 16 cameras per screen*, with automatic camera position changes and camera server information available on screen. Choose your own layout, and switch between displays automatically.
* Multiple screens can be created.

Communicate with External Devices
When a connected external device (such as a window alarm sensor) is triggered, you'll hear or see an alert of your choosing on the screen.

Message!

Seamless Image Management and Display
Capturing, viewing and saving images have never been easier. VB ImageBrowser allows you to download still images from the camera server, compare and display differences between consecutive images, view all images as thumbnails, and more. Animated replays and electronic zoom are also available.

Create Custom Monitoring Screens
A Monitoring Screen Wizard lets you choose from a wide variety of screen templates to find one that's perfect for your needs.

Flexible Monitoring Settings
The program features 3 convenient modes: • Video Relay moves between video and still images when multiple cameras are connected to a single server. • Automatic Rotation gives you a "tour" of up to 8 preset locations. • Autoswitch automatically switches the display between cameras and camera servers.

Monitor from Multiple Sites
Place the monitoring screen you created in a common directory location, and it can be viewed by multiple stations running the MV software.

PocketPC Software
WebView Livescope

Access and control your network cameras right from your PDA! Supports a wide variety of Pocket PC based PDAs. Available in a single or 5-license pack.
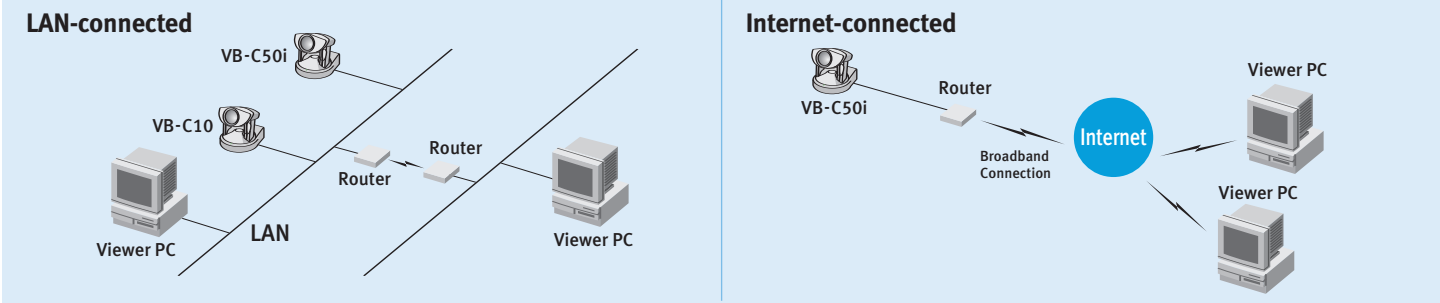
Free Viewer Software

Viewer for Java
Allows video from the VB150, VB101, VB-C10 or VB-C50i to be displayed on a standard web browser. This software is automatically downloaded.
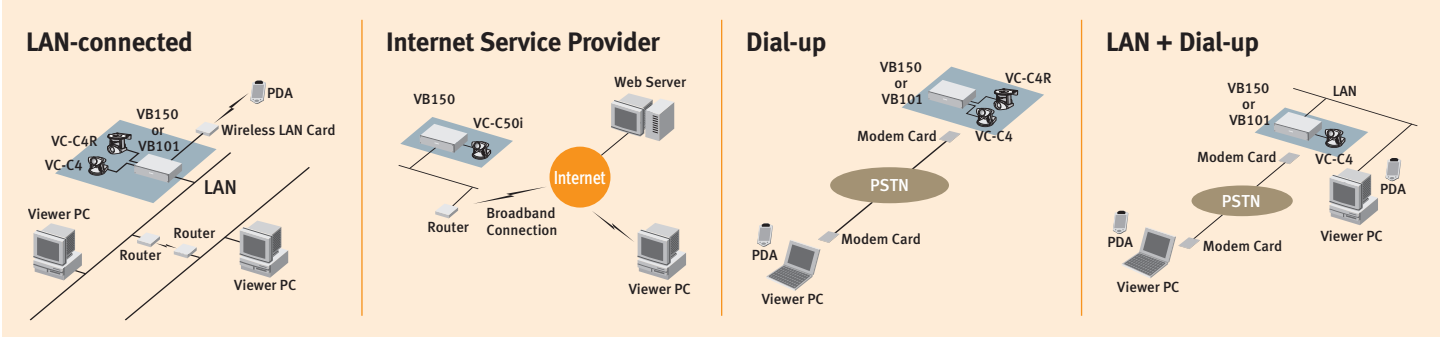

Viewer for PC
Offers faster start-up and a higher video frame rate. Installable for frequent viewers.

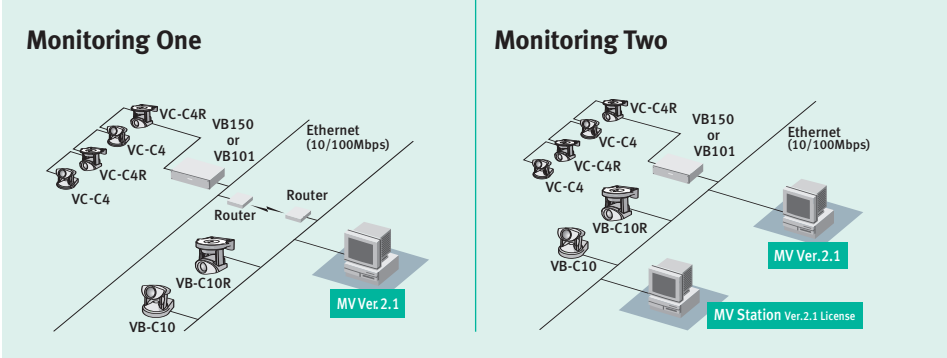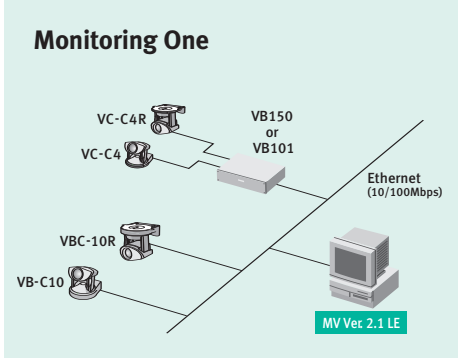## Network Camera VB-C50i/VB-C50iR & VB-C10/VB-C10R

LAN-connected

Internet-connected

Network Camera Server VB150 or VB101

LAN-connected

Internet Service Provider

Dial-up

LAN + Dial-up

WebView Livescope MV Ver. 2.1

Monitoring One

Monitoring Two

WebView Livescope MV Ver. 2.1LE

Monitoring One

VK-64

LAN type

WAN type

MULTIPLE type
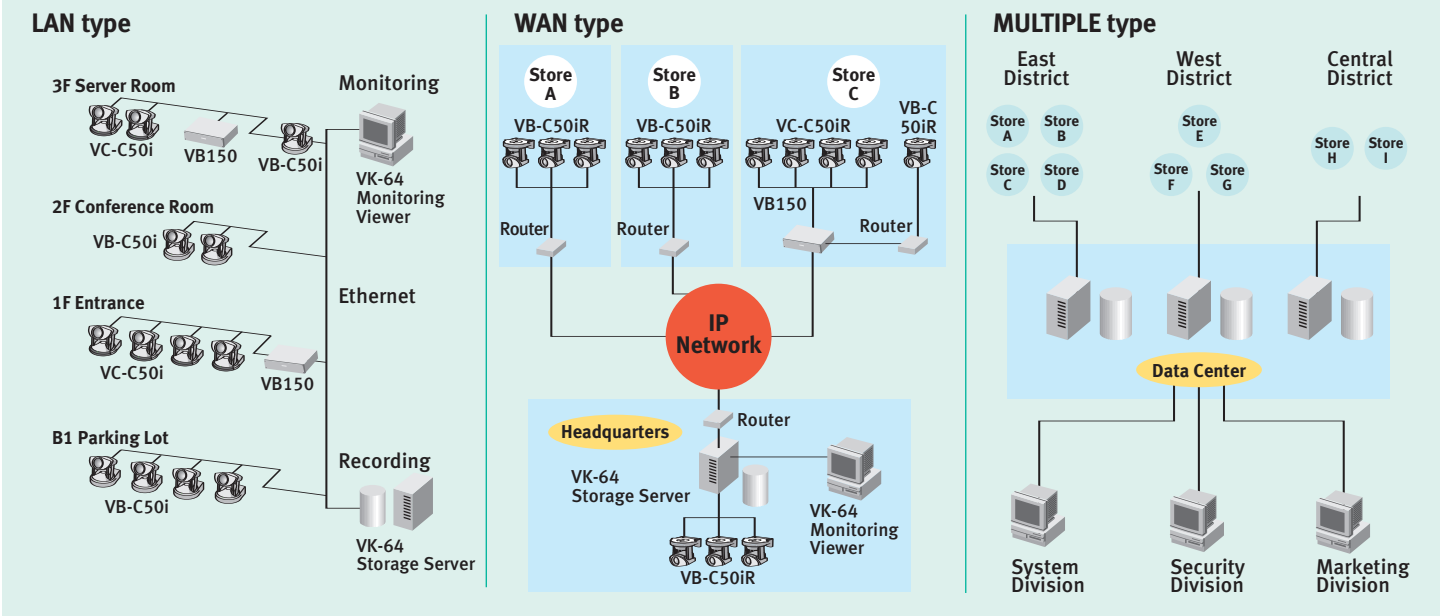
NETWORK CAMERA

	VB-C50i / VB-C50iR	VB-C10 / VB-C10R
Image Sensor	680K pixels (340K effective)	410K pixels (380K effective)
Zoom	26x optical/12x digital	16x optical
Minimum Object Illumination	1 lux (1/30 shutter speed)	6 lux
Pan Angle Range	+/-100° (Standard)/+/-170° (Reverse)	
Tilt Angle Range	+90°/-30° (Standard)/+10°/-90° (Reverse)	
Network	Ethernet 10M/100M, auto negotiation	
Protocol	TCP/IP, HTTP, DHCP, FTP, NTP, DDNS, SMTP	TCP/IP, HTTP, BOOTP, FTP, NTP, SMTP
Capture Frame Rate	30 fps (640 x 480)	30 fps (320 x 240)
Video Capture Sizes	160 x 120, 320 x 240, 640 x 480	
Video Compression Method	M-JPEG (video), JPEG (still images)	
Simultaneous Client Access	50 (max.)	20 (max.)
Compatible Viewers	Network Video Recording Software VK-64, Viewer for Java, Viewer for PC, Admin Viewer, WebView Livescope MV Ver. 2.1/ 2.1 LE	
Server Functions	WWW, FTP	
Video Transmission Rate	0.1 to 30 fps (variable)	
Connection Limitation	Using software management tools	
Setting for Camera	Using software management tools	
Control Privileges View Restriction	Using software management tools	
Camera Angle Presets	20 positions	8 positions
Home Position Function	Using software management tools	
External Device I/O	2/3 (optional)	1/1 (included)
Recording Capacity	Approx. 15MB (JPEG)	Approx. 5MB (JPEG)
Picture Recording	Schedule/Sensor/Motion Detection	Schedule/Sensor
Video Input	Composite	None
Audio	Client PC to camera	None
Display & Management of Stored Images	VB Collector, WebView Livescope MV Ver. 2.1	
Operating Environment	F:32-104 degrees (C:0-40) 20-85% RH (non-condensing)	
Dimension (W x D x H) (excluding attachments)	41 x 51 x 43 in. (104.6 x 130.3 x 109.7mm)/ 54 x 51 x 44 in. (136 x 130.3 x 110.6mm)	42 x 44 x 56 in. (106 x 111.9 x 143.1mm)/ 54 x 44 x 56 in. (136 x 111.9 x 143.1mm)
Weight	1.37 lbs. (620g)/1.54 lbs. (700g)	1.42 lbs. (645g)/1.6 lbs. (730g)
Power Supply	AC adapter (included) DC13V (11.5-14V)	
Power Consumption	9.7W or less	25W or less

COMMUNICATION CAMERA

	VC-C50i / VC-C50iR	VC-C4 / VC-C4R
Image Sensor	680K pixels (340K effective)	410K pixels (380K effective)
Zoom	26x optical/12x digital	16x optical
Minimum Object Illumination	1 lux (1/30 shutter speed)	6 lux (2 lux at gain-up mode)
Pan Angle Range	+/-100° (Standard)/+/-170° (Reverse)	
Tilt Angle Range	+90°/-30° (Standard)/+10°/-90° (Reverse)	
Video Standard	NTSC	
TV-Line	420 TV L	460 TV L
SNR	48 dB	
Horizontal, Field-of-View	3 to 47.5 degrees (65 degrees with wide angle lens adapter)	
White Balance	Auto	
Exposure	Auto/Manual	
Focus	Auto/Manual	
Focus Length	3.5 to 91mm, f/1.6 to 4.0	4 to 64mm, f/1.4 to 2.8
Pan Speed	1 to 90 degrees/sec	
Tilt Speed	1 to 70 degrees/sec	
Menu Mode by Super Impose	Camera setting, Display setting, etc.	
Camera Angle Presets	9 positions	
Controllable # by One IR	9 units	
Cascade Control	9 units	
Control	RS232 serial, RTS/CTS has to be active (Up to 19.2kbps)	
Operating Environment	F:32-104 degrees (C:0-40) 20-85% RH (non-condensing)	
Dimension (W x D x H) (excluding attachments)	39 x 46 x 38 in. (100 x 117 x96mm)	39 x 44 x 35 in. (100 x 112 x 89.5mm)
Weight	14.8 oz (420g)/17.3 oz (490g)	13.2 oz (375g)/15.3 oz (435g)
Power Supply	AC adapter (included) DC13V (11.5-14V)	
Power Consumption	12.5W or less	12W or less

NETWORK CAMERA SERVER

	VB101	VB150
OS	DRYOS (Canon Realtime OS)	
Protocol	TCP/IP, HTTP, BOOTP, FTP, SMTP	
Image	Compression Technique Motion-JPEG (Image quality range 1-99), JPEG (for still images)	
Image Compression Rate	0.1-30 fps (variable)	
Video Capture Sizes	160 x 120, 320 x 240, 640 x 480	
Server Functions	WWW, FTP	
Log Management	Syslog (mail, ftp, flash memory recording possible)	
Camera Control Operations	Pan, tilt, zoom, brightness, shutter speed etc.	
Network Operations	Access restriction (password/host), video connection time.	
Image Storage	Flash memory card (optional)	
Simultaneous Client Access	40 (max.)	50 (max.)
Image Input	4 Inputs (BNC x 2, RCA x 2; NTSC/PAL)	
Serial Ports	RS-232C x 3 (mini DIN 8, for camera use x 2, for initial setting x 1)	RS-232C x 2 (mini DIN 8, for camera use)
Networking	Ethernet x 1 (RJ45, 10 Base T/100 Base TX auto-negotiation)	Ethernet x 1(RJ45, 10 Base T/100 Base TX auto-negotiation, wireless LAN (1 PC card slot used)
Expansion Slots	PCMCIA Type II (5V) x 2	PCMCIA Type II (3.3V/5V) x 2
Display LEDs	Power On/Off, network status, PCMCIA status display	
Operating Environment	F:32-104 degrees (C:0-40) 20-85% RH (non-condensing)	
Dimension (W x D x H) (excluding attachments)	98 x 65 x 20 in. (248 x 165 x 52mm)	98 x 66 x 20 in. (248 x 167 x 52mm)
Weight	2.86 lbs. (1.3Kg)	
Power Supply	AC adapter (included) DC13V (11.5-14V)	
Power Consumption	25W or less	17W or less

SYSTEM REQUIREMENTS

Network Video Recording Software VK-64

Viewer System Requirements
CPU: Pentium III 700 MHz or greater (Pentium 4 2.2 GHz or greater recommended)
Operating System: Windows 2000 Server (service pack 3)/Windows 2000 Professional (service pack 3)/Windows XP Professional (recommended)
Memory: 256MB RAM (1GB RAM or greater recommended)
*For more than 16 Camera Servers, 1GB or greater required.
Hard Disk: 2GB HDD or better
Display: 1,024 x 768 with 16 bit color display or better
*A high performance video card is desirable. With PCI video cards, display may be reduced.
Sound: Audio playback support is necessary for event notification alert sounds.

Storage Server System Requirements
CPU: Pentium III 1 GHz or greater (Pentium 4 2.2 GHz or greater recommended)
Operating System: Windows 2000 Server (service pack 3)/Windows 2000 Professional (service pack 3)/Windows XP Professional (recommended)
Memory: 768MB RAM (1GB RAM or better recommended)
*For more than 48 Camera Servers, 1.5GB or better required.
Hard Disk: 20GB HDD or better, SCSI or IDE, NTFS formatted

WebView Livescope MV 2.1 Manager

CPU: Pentium III 600 MHz or greater
Operating System: Windows Me/Windows 2000 (service pack 1.0, 2.0, 3.0) /Windows XP
Web Browser: Internet Explorer 5.0, 5.01, 5.01 (service pack 1, 2) 5.5, 5.5 (service pack 1, 2) 6.0, 6.0 (service pack 1)
Memory: 128MB or better
Hard Disk: Available space of 50MB or better
Monitor: XGA (1,024 x 768) or better with 16-bit color display or better

WebView Livescope MV 2.1 Station

CPU: Pentium III 600 MHz or greater
Operating System: Windows Me/Windows 2000 (service pack 1.0, 2.0, 3.0)/Windows XP
Web Browser: Internet Explorer 5.0, 5.01, 5.01 (service pack 1, 2) 5.5, 5.5 (service pack 1, 2) 6.0, 6.0 (service pack 1)
Memory: 128MB or better
Hard Disk: Available space of 50MB or better
Monitor: SVGA (800 x 600) or better with 16-bit color display or better

WebView Livescope MV 2.1 LE

CPU: Pentium III 600 MHz or greater
Operating Systems: Windows Me/Windows 2000 (service pack 1) /Windows XP
Web Browser: Internet Explorer 5.0, 5.01, 5.01 (service pack 1, 2) 5.5, 5.5 (service pack 1, 2) 6.0, 6.0 (service pack 1)
RAM: 128MB or better
Hard Disk: Available space of 20MB or better
Display: XGA (1,024 x 768) or better with 16-bit color display or better

Viewer for PC

Operating System: Windows 2000 (service pack 4)
Web Browser:
• Microsoft Internet Explorer 6.0 (service pack 1)
• Netscape Navigator or Communicator 7.1
* Must be installed in advance from the CD-ROM supplied with the camera server.

Viewer for Pocket PC

Operating System: Microsoft Pocket PC 2002 Software

COMPARISON CHART OF VIEWER SOFTWARE

	Network Video Recording Software VK-64	WebView LiveScope MV 2.1*	WebView LiveScope MV 2.1 LE	Viewer for PC	Viewer for Pocket PC
Maximum Number of Servers	64	100	4	1	1
Maximum Number of Cameras per Screen	24/XGA-35/SXGA	16/template, unlimited templates	4	1	1
Save Camera Internet Location	Yes	Yes	Yes	Yes	Yes
Pan/Tilt/Zoom Control	Yes	Yes	Yes	Yes	Yes
Preset Selection	Yes	Yes, Manual and Automatic	No	Yes, Manual	Yes, Manual
Custom Background Display	No	Yes	No	No	No
Focus Set	Yes	Wide/Infinity/Auto	Wide/Infinity/Auto	No	No
Trigger External Relay	Yes	Yes	Yes	No	No
Sensor Receive Notification	Yes	Yes	Yes	No	No
Automatic Search of Units on Network	Yes	Yes	Yes	No	No
Drag and Drop Server Views	Yes	Yes	No	No	No

*Includes one license for MV Station. **Requires MV Ver. 2.1 for template creation.